

Appendix C

Compliance Guide for the OSHA Construction Industry Asbestos Standard (29 CFR 1926.1101)^a

Work description	Medical surveillance ^b	HEPA vacuum	Wet processes ^c	Housekeeping requirement	Prohibited activities ^d	Regulated area ^e	Respiratory protection	Protective clothing	NPE ^f	Competent person
All asbestos work	—	X	X	X	X	—	—	—	—	—
Class I asbestos work ^g										
Greater than 25 lin. ft or 10 ft ²	X	X	X	X	X	X	X ^h	X	X ⁱ	X ^j
Less than 25 lin. ft or 10 ft ²	X	X	X	X	X	X	X ^h	—	X ⁱ	X ^j
Greater than PEL (TWA or excursion)	X	X	X	X	X	X	X ^h	X	X ⁱ	X ^j
Less than PEL in NEA	X	X	X	X	X	X	X	O	X ⁱ	X ^j
No NEA available	X	X	X	X	X	X	X ^h	X	X ⁱ	X ^j
Adjacent area is occupied	X	X	X	X	X	X	—	—	X ⁱ	X ^j
Outdoors, unoccupied area	X	X	X	X	X	X	X	X	X ⁱ	X ^j
Class II asbestos work ^{k,l,m}										
Greater than PEL in NEA	X	X	X	X	X	X	X	X	O ^o	X ^j
Less than PEL in NEA	X	X	X	X	X	O ⁿ	O	O	O ^o	X ^j
Indoor—No NEA available	X	X	X	X	X	X	X	X	O ^o	X ^j
Outdoor—No NEA available	X	X	X	X	X	X	X	X	O ^o	X ^j
Removal not intact or dry	X	X	X	X	X	X	X	—	X ^p	X ^j
Class III asbestos work ^q										
Greater than PEL	X	X	X	X	X	X	X	X	X ⁱ	X ^r
No NEA available	X	X	X	X	X	X	X	X	X ⁱ	X ^r
Disturbing TSI or surfacing ACBM	X	X	X	X	X	X	X	—	—	X ^r
Less than PEL in NEA	X	X	X	X	X	O ⁿ	O	O	O	X ^r
Class IV asbestos work ^s										
Greater than PEL	X	X	X	X	X	X	X	X ^o	O	X ^r
Work in area requiring neg.-pressure respirator	X	X	X	X	X	—	X	—	O	X ^r
Less than PEL in NEA	O	X	X	X	X	O	O	O	O	O

Work description	Critical barriers	Ventilation system ^t	Full decontamination	Mini decontamination	Surface covering	Glove bag	HVAC isolation	Daily monitoring ^u	Mini-enclosure
All asbestos work	—	—	—	—	—	—	—	—	—
Class I asbestos work^g									
Greater than 25 lin. ft or 10 ft ²	X ^v	X	X	O	X	X ⁱ	X	X	O
Less than 25 lin. ft or 10 ft ²	—	X	O	X	X	X ⁱ	X	X	X ^{i,w}
Greater than PEL (TWA or excursion)	X ^v	X	X	O	X	X ⁱ	X	X	X ^{i,w}
Less than PEL in NEA	O	X	—	—	X	X ⁱ	X	O	X ^{i,w}
No NEA available	X ^v	X	X	O	X	X ⁱ	X	X	X ^{i,w}
Adjacent area is occupied	X ^v	X	—	—	X	X ⁱ	X	—	X ^{i,w}
Outdoors, unoccupied area	O	X	—	—	X	X ⁱ	X	—	X ^{i,w}
Class II asbestos work^{k,l,m}									
Greater than PEL in NEA	X ^v	X	X	O	X	X ^o	X	X	X ^o
Less than PEL in NEA	O	X	O	O	X	X ^o	X	O	X ^o
Indoor—No NEA available	X ^v	X	O	X	X	X ^o	X	X	X ^o
Outdoor—No NEA available	O ⁿ	X	O	X	X	X ^o	X	X	X ^o
Removal not intact or dry	X ^v	X	O	—	X	X ^o	X	X	X ^o
Class III asbestos work^q									
Greater than PEL	X	X	O	X ⁱ	X	X ⁱ	X	O	X ⁱ
No NEA available	X	X	O	X ⁱ	X	X ⁱ	X	O	X ⁱ
Disturbing TSI or surfacing ACBM	X	X	O	—	X	X ⁱ	X	O	X ⁱ
Less than PEL in NEA	O	X	O	O	O	O	O	O	O
Class IV asbestos work^s									
Greater than PEL	O	X	O	X	O	O	O	O	O
Work in area requiring neg.-pressure respirator	—	—	O ^x	—	—	—	—	—	O
Less than PEL in NEA	O	O	O	O	O	O	O	O	O

X = required; O = not required or not allowed; — = not specifically addressed.

^a Characterize work in accordance with all applicable subcategories, and apply and controls required for all subcategories. Some types of work may not be adequately described in this table.

^b Determination is made by the Health Services Department in collaboration with the Hazards Control Department.

^c Except for infeasible conditions, e.g., sloped roofs.

- d Prohibited activities include use of a non-ventilated abrasive disc saw, blow-off, dry sweeping or shoveling, and worker rotation.**
- e Posting is required for all regulated areas.**
- f Negative-pressure enclosure.**
- g Class I asbestos work: Removal of TSI or surfacing ACM or PACM.**
- h Pressure-demand, supplied-air respirator with auxiliary escape HEPA or SCBA (>1.0 f/cc) or a PAPR with full facepiece and HEPA filters (<1.0 f/cc).**
- i One of the following control methods shall be used: NPE, glove bag, negative-pressure glove bag, water spray, mini-enclosure, or alternative procedures.**
- j 40-hr training equivalent to EPA project designer or supervisor training.**
- k Class II asbestos work: Removal of ACM that is not TSI or surfacing material (including floor tiles, shingles, and mastics).**
- l Specific additional requirements are provided for flooring work, roofing, Transite work, and gasket removal. For other Class II work, material shall be removed intact if feasible. Alternative procedures are allowed if exposure is less than the PEL and a competent person certifies the alternative methods are adequate to keep exposure below the PEL at all times.**
- m Certain roofing activities involving ACM are exempt from Class II category.**
- n Not required, provided that work is performed in areas where untrained persons do not have access.**
- o These procedures may be used in lieu of, or in addition to, other procedures specified for Class II work.**
- p An NPE is required for the removal of floor tiles if the tiles cannot be removed intact and breaking of the tiles creates dust.**
- q Class III asbestos work: Repair and maintenance where any type of ACM is likely to be disturbed.**
- r 16-hr training equivalent to EPA operations and maintenance training.**
- s Class IV asbestos work: Custodial-type activities that involve contact with ACM and PACM.**
- t Includes local exhaust and general exhaust, enclosure, and isolation (as feasible or necessary).**
- u Daily monitoring is usually not required if using supplied-air respirators in positive-pressure mode. (A pressure demand-type respirator is not required to take this credit.)**
- v Or equivalent, with the requirement to prove the efficacy of the equivalent method. This includes perimeter sampling with 24-hour turnaround. Perimeter levels shall meet the AHERA clearance levels.**
- w A small walk-in chamber that accommodates no more than two persons. Mini-enclosures are to be used only for small jobs.**
- x Full decontamination facilities must be provided if working in a regulated area where such facilities are required for persons doing other work.**